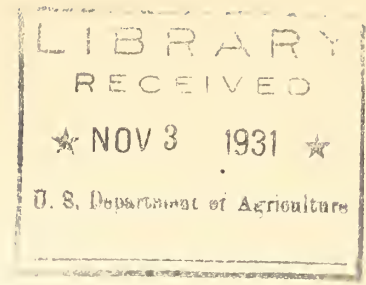


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SPECIFICATIONS  
FOR  
Repair of Water Tower  
For  
Weather Bureau  
United States Department of Agriculture  
Mt. Weather, Va.

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These specifications are intended to provide for the furnishing of all materials, labor, equipment and transportation necessary to replace the wooden platform on top of a 40 foot high steel water tower, paint the structure, as described hereafter, tighten the hoops of the tank, reset the platform handrail, repair water supply pipe connection to tank, and to make such other minor repairs as may be found necessary.

The steel tower has four legs made up of four 3"x3" angles about 40 feet long, five horizontal struts on each side, made up of four 2"x2" angles, and 3/4" round cross tie rods between the struts on each side, a ladder, and a pipe handrail around the platform. The above indicates the approximate amount of structural steel to be painted. The tank is 14 feet in diameter and 14 feet high of wooden staves, bound with iron hoops, and covered with a metal roof; the tank, hoops and roof are to be painted and the hoops tightened.

The present platform consists of: two, 3 ply 4"x12"x18' girders bolted to logs of tower; sixteen 3"x12"x18' joists; platform of 2"x12" planks (octagon shaped) 18 feet between parallel sides (or short diameter); six pieces 1 1/8" x 12" forming apron around the perimeter of the platform.

The necessity of demounting the water tank during repairs shall be determined by the bidder and indicated in his proposal.

All timber for the platform shall be of sizes indicated, surfaced 4 sides, of sound pieces, free from loose knots, bark or other structural defects. Southern yellow pine creosoted by a commercial vacuum process, under 20 pounds pressure, or cypress shall be used. The various timbers shall be located in the same relative position as those they replace. Girders shall be securely bolted to the top of the tower legs, while joists and platform shall be securely spiked.

The iron hoops on the tank shall be reset and tightened and the connection of the water supply pipe with the tank shall be made watertight with gaskets. The tank shall be anchored to the platform as at present.

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The roof of the tank shall be given one coat of red lead and linseed oil and two coats of metallic brown and linseed oil; the hoops and all other metal surfaces shall be given a coat of redlead and linseed oil and two coats of oil paint consisting of 70 per cent white lead and 30 per cent zinc white tinted as directed by the Government's representative. The wooden tank and platform timbers, if of cypress shall have 3 coats of the same lead, zinc and oil paint. Sufficient time shall be allowed between successive coats to permit the paint to dry. No painting shall be done in wet or freezing weather nor on damp surfaces.

The contractor shall remove all equipment and debris promptly upon completion of the contract and shall leave the premises in the same condition as at present.

